

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	746	548/540.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2007/06/14 14:59
L2	2	L1 and 2-cyanopyrrolidide	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2007/06/14 15:05
L3	0	L1 and 2-cyanopyrroline	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2007/06/14 15:05
L4	5	L1 and 2-cyanopyrrolidine	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2007/06/14 15:25
L5	37	L1 and adamantyl	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2007/06/14 15:15
L6	0	L5 and 2-cyano	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2007/06/14 15:16
L7	3	L5 and 2-cyano\$10	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2007/06/14 15:17
L8	208	L1 and pyrrolidine	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2007/06/14 15:19
L9	23	L8 and adamantyl	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2007/06/14 15:20

## EAST Search History

L10	5	L1 and (2-cyanopyrrolidine or 2-cyanopyrrolidines)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2007/06/14 15:25
-----	---	--	--	----	----	------------------

# STN (Registry | Caplus)

10/552835

06/14/2007

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSPTAJMN1626

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS 1 Web Page for STN Seminar Schedule - N. America  
NEWS 2 JAN 08 CHEMLIST enhanced with New Zealand Inventory of Chemicals  
NEWS 3 JAN 16 CA/Caplus Company Name Thesaurus enhanced and reloaded  
NEWS 4 JAN 16 IPC version 2007.01 thesaurus available on STN  
NEWS 5 JAN 16 WPIDS/WPINDEX/WPIX enhanced with IPC 8 reclassification data  
NEWS 6 JAN 22 CA/Caplus updated with revised CAS roles  
NEWS 7 JAN 22 CA/Caplus enhanced with patent applications from India  
NEWS 8 JAN 29 PHAR reloaded with new search and display fields  
NEWS 9 JAN 29 CAS Registry Number crossover limit increased to 300,000 in multiple databases  
NEWS 10 FEB 15 PATDPASPC enhanced with Drug Approval numbers  
NEWS 11 FEB 15 RUSSIAPAT enhanced with pre-1994 records  
NEWS 12 FEB 23 KOREAPAT enhanced with IPC 8 features and functionality  
NEWS 13 FEB 26 MEDLINE reloaded with enhancements  
NEWS 14 FEB 26 EMBASE enhanced with Clinical Trial Number field  
NEWS 15 FEB 26 TOXCENTER enhanced with reloaded MEDLINE  
NEWS 16 FEB 26 IFICDB/IFIPAT/IFIUDB reloaded with enhancements  
NEWS 17 FEB 26 CAS Registry Number crossover limit increased from 10,000 to 300,000 in multiple databases  
NEWS 18 MAR 15 WPIDS/WPIX enhanced with new FRAGHITSTR display format  
NEWS 19 MAR 16 CASREACT coverage extended  
NEWS 20 MAR 20 MARPAT now updated daily  
NEWS 21 MAR 22 LWPI reloaded  
NEWS 22 MAR 30 RDISCLOSURE reloaded with enhancements  
NEWS 23 APR 02 JICST-EPLUS removed from database clusters and STN  
NEWS 24 APR 30 GENBANK reloaded and enhanced with Genome Project ID field  
NEWS 25 APR 30 CHEMCATS enhanced with 1.2 million new records  
NEWS 26 APR 30 CA/Caplus enhanced with 1870-1889 U.S. patent records  
NEWS 27 APR 30 INPADOC replaced by INPADOCDB on STN  
NEWS 28 MAY 01 New CAS web site launched  
NEWS 29 MAY 08 CA/Caplus Indian patent publication number format defined  
NEWS 30 MAY 14 RDISCLOSURE on STN Easy enhanced with new search and display fields  
NEWS 31 MAY 21 BIOSIS reloaded and enhanced with archival data  
NEWS 32 MAY 21 TOXCENTER enhanced with BIOSIS reload  
NEWS 33 MAY 21 CA/Caplus enhanced with additional kind codes for German patents  
NEWS 34 MAY 22 CA/Caplus enhanced with IPC reclassification in Japanese patents  
NEWS EXPRESS NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.

NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS LOGIN Welcome Banner and News Items  
NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 11:31:03 ON 14 JUN 2007

=> fil reg

COST IN U.S. DOLLARS

SINCE FILE  
ENTRY

TOTAL  
SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 11:31:11 ON 14 JUN 2007

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2007 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 13 JUN 2007 HIGHEST RN 937234-16-7

DICTIONARY FILE UPDATES: 13 JUN 2007 HIGHEST RN 937234-16-7

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

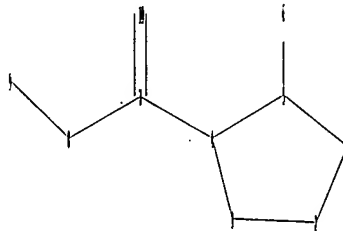
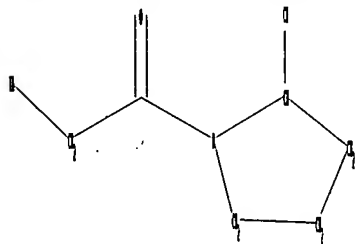
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10552835\1.str



chain nodes :

6 7 8 9 10  
ring nodes :  
1 2 3 4 5  
chain bonds :  
4-7 5-6 7-8 7-10 8-9  
ring bonds :  
1-2 1-5 2-3 3-4 4-5  
exact/norm bonds :  
1-2 1-5 2-3 3-4 4-5 4-7 7-10  
exact bonds :  
5-6 7-8 8-9

Match level :  
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:CLASS 9:CLASS  
10:CLASS

L1 STRUCTURE UPLOADED

=> s l1

SAMPLE SEARCH INITIATED 11:31:26 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 426 TO ITERATE

100.0% PROCESSED 426 ITERATIONS 50 ANSWERS  
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)  
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 7282 TO 9758  
PROJECTED ANSWERS: 1951 TO 3329

L2 50 SEA SSS SAM L1

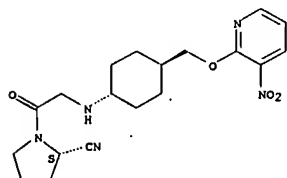
=> d scan

10/552835

06/14/2007

L2 50 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STM  
IN 2-Pyrrolidinecarbonitrile, 1-[[[trans-4-[[[3-nitro-2-  
pyridinyl]oxy]methyl]cyclohexyl]amino]acetyl]-, (2S)- (9CI)  
MF C19 H25 N5 O4  
CI COM

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=&gt; s l1 full

FULL SEARCH INITIATED 11:31:45 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 8526 TO ITERATE

100.0% PROCESSED 8526 ITERATIONS

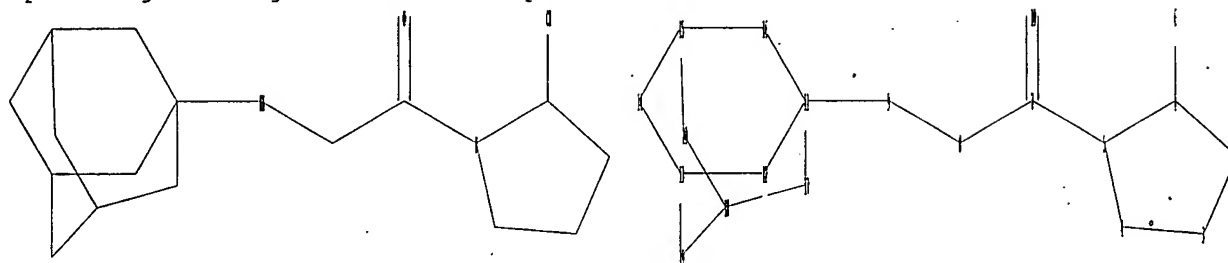
2747 ANSWERS

SEARCH TIME: 00.00.01

L3 2747 SEA SSS FUL L1

=&gt;

Uploading C:\Program Files\Stnexp\Queries\10552835\2.str



chain nodes :

6 7 8 9 10

ring nodes :

1 2 3 4 5 11 12 13 14 15 16 17 18 19 20

chain bonds :

1-6 5-7 7-8 7-10 8-9 9-11

ring bonds :

1-2 1-5 2-3 3-4 4-5 11-12 11-16 11-17 12-13 13-14 13-19 14-15 15-16  
15-20 17-18 18-19 18-20

exact/norm bonds :

1-2 1-5 2-3 3-4 4-5 5-7 7-10 8-9 9-11 11-12 11-16 11-17 12-13 13-14  
13-19 14-15 15-16 15-20 17-18 18-19 18-20

exact bonds :

1-6 7-8

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:CLASS 9:CLASS

10:CLASS 11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom

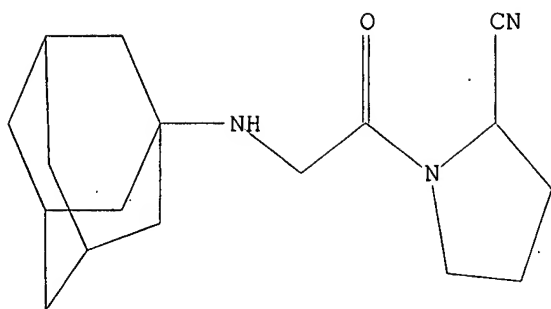
19:Atom 20:Atom

L4 STRUCTURE UPLOADED

=&gt; d

L4 HAS NO ANSWERS

L4 STR



Structure attributes must be viewed using STN Express query preparation.

=> s 14 full sub=l3

FULL SUBSET SEARCH INITIATED 11:32:21 FILE 'REGISTRY'

FULL SUBSET SCREEN SEARCH COMPLETED - 1802 TO ITERATE

100.0% PROCESSED 1802 ITERATIONS

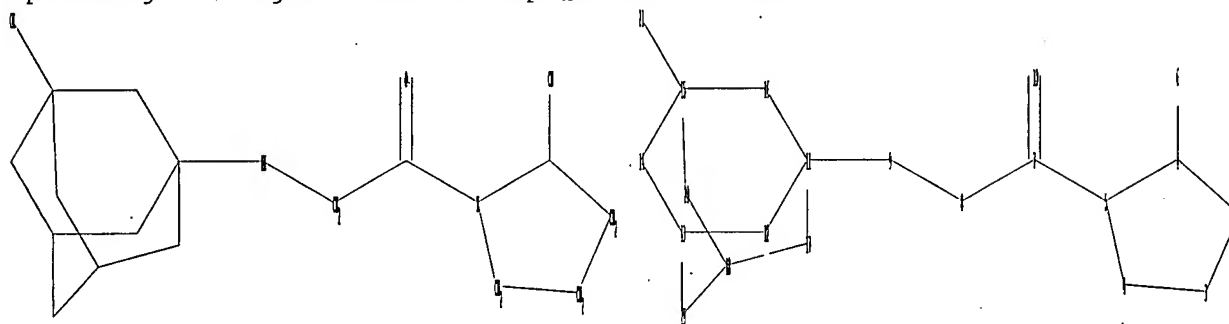
203 ANSWERS

SEARCH TIME: 00.00.01

L5 203 SEA SUB=L3 SSS FUL L4

=>

Uploading C:\Program Files\Stnexp\Queries\10552835\2a.str



chain nodes :

6 7 8 9 10 21

ring nodes :

1 2 3 4 5 11 12 13 14 15 16 17 18 19 20

chain bonds :

1-6 5-7 7-8 7-10 8-9 9-11 15-21

ring bonds :

1-2 1-5 2-3 3-4 4-5 11-12 11-16 11-17 12-13 13-14 13-19 14-15 15-16

15-20 17-18 18-19 18-20

exact/norm bonds :

1-2 1-5 2-3 3-4 4-5 5-7 7-10 9-11 11-12 11-16 11-17 12-13 13-14 13-19

14-15 15-16 15-20 15-21 17-18 18-19 18-20

exact bonds :

1-6 7-8 8-9



Match level :

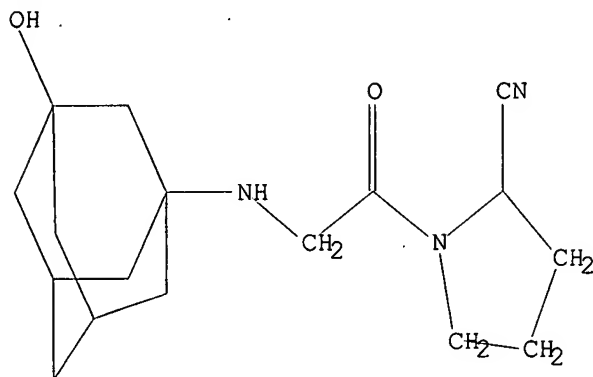
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:CLASS 9:CLASS  
10:CLASS 11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom  
19:Atom 20:Atom 21:CLASS

L6 STRUCTURE UPLOADED

=> d

L6 HAS NO ANSWERS

L6 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l6 full sub=L5

FULL SUBSET SEARCH INITIATED 11:33:14 FILE 'REGISTRY'

FULL SUBSET SCREEN SEARCH COMPLETED - 97 TO ITERATE

100.0% PROCESSED 97 ITERATIONS

80 ANSWERS

SEARCH TIME: 00.00.01

L7 80 SEA SUB=L5 SSS FUL L6

=> fil caplus

COST IN U.S. DOLLARS

SINCE FILE

ENTRY

TOTAL

SESSION

FULL ESTIMATED COST

256.55

256.76

FILE 'CAPLUS' ENTERED AT 11:35:50 ON 14 JUN 2007

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications.

The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 14 Jun 2007 VOL 146 ISS 25  
FILE LAST UPDATED: 13 Jun 2007 (20070613/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s 17

L8 101 L7

=> d ibib abs hitstr 101

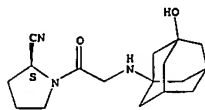
L8 ANSWER 101 OF 101 CAPLUS COPYRIGHT 2007 ACS on STN  
ACCESSION NUMBER: 2000:401789 CAPLUS  
DOCUMENT NUMBER: 133:43431  
TITLE: Preparation of N-glycyl-2-cyanopyrrolidines as DPP IV inhibitors  
INVENTOR(S): Villhauer, Edwin Bernard  
PATENT ASSIGNEE(S): Novartis A.-G., Switz.; Novartis-Erfindungen Verwaltungsgesellschaft m.b.H.  
SOURCE: PCT Int. Appl., 26 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000034241	A1	20000615	WO 1999-EP9708	19991209
W: AZ, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RA: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
TW 509674	B	20021111	TW 1999-88121371	19991207
CA 2350609	A1	20000615	CA 1999-2350609	19991209
US 6166063	A	20001226	US 1999-458224	19991209
BR 9915985	A	20010904	BR 1999-15985	19991209
EP 1137635	A1	20011004	EP 1999-959396	19991209
EP 1137635	B1	20051019		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO				
TR 200101478	T2	20011022	TR 2001-200101478	19991209
HU 200104495	A2	20020429	HU 2001-4495	19991209
JP 2002531547	T	20020924	JP 2000-586689	19991209
JP 3681110	B2	20050810		
AU 759773	B2	20030501	AU 2000-16580	19991209
NZ 511935	A	20031128	NZ 1999-511935	19991209
RU 2251544	C2	20050510	RU 2001-118826	19991209
AT 307112	T	20051115	AT 1999-959396	19991209
ES 2251847	T3	20060501	ES 1999-959396	19991209
IN 2001CN00779	A	20070309	IN 2001-CN779	20010604
ZA 2001004581	A	20020522	ZA 2001-4581	20010605
NO 2001002853	A	20010807	NO 2001-2853	20010608
NO 318741	B1	20050502		
HK 1040394	A1	20060915	HK 2002-100662	20020128
JP 2005112864	A	20050428	JP 2005-8992	20050117
PRIORITY APPLN. INFO.:			US 1998-209068	A 19981210
			JP 2000-586689	A3 19991209
			WO 1999-EP9708	W 19991209

OTHER SOURCE(S): MARPAT 133:43431

L8 ANSWER 101 OF 101 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)  
AB R(CH<sub>2</sub>)<sub>n</sub>NHCH<sub>2</sub>CO<sub>2</sub>CN [Z = (S)-pyrrolidine-1,2-diyl] (I; R = substituted adamantyl; n = 0-3) were prepared. Thus, L-prolineamide was treated successively with ClCH<sub>2</sub>COCl and (CF<sub>3</sub>CO)<sub>2</sub>O and the product aminated by 1-aminoadamantan-3-ol (preparation given) to give I (R = 3-hydroxy-1-adamantylamino, n = 0) (II). Data for biol. activity of II were given.  
IT 274901-16-5P  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of N-glycyl-2-cyanopyrrolidines as DPP IV inhibitors)  
RN 274901-16-5 CAPLUS  
CN 2-Pyrrolidinecarbonitrile, 1-[2-[(3-hydroxytricyclo[3.3.1.1<sup>3,7</sup>]dec-1-yl)amino]acetyl]-, (2S)- (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE  
FORMAT